

DENON

Home Theater Package with 6 Speakers

## DHT-682XP

## DHT-682XP Home Theater Package with 6 Speakers

The DHT-682XP, with Dolby Digital, DTS, Dolby Pro Logic II, and a robust 100 watts per channel, is a versatile A/V receiver package that includes 5 DENON speakers and a powerful subwoofer. Since speakers must be carefully selected to bring out the full sound quality of the recording, DENON has made the job easier by selecting the speakers for you. With Dolby Pro Logic II, the AVR-682 recreates existing Dolby Surround programs and conventional stereo sources such as CD in realistic 5.1-channel likeness. Just add your DVD player and you'll be ready to fire up your favorite video or music program in full surround sound.



#### ■ Fully Discrete, Equal Power Five Amplifier Channels, 100 Watts Each

Front	100 W + 100 W (6 ohms, 1 kHz, 0.7 %)
Center	100 W (6 ohms, 1 kHz, 0.7 %)
Surround	100 W + 100 W (6 ohms, 1 kHz, 0.7 %)

For optimum Dolby Digital and DTS reproduction, the AVR-682 features high quality, wideband audio amplification, providing 100 watts power output for each of the five main channels. A large capacity power supply includes a high current power transformer along with discrete power output devices on all five amplifier channels for highest dynamic range and superb reproduction clarity.

#### ■ Dolby Pro Logic II Decoder

Enjoy 2-channel stereo recordings in stunning 5.1-channel surround playback. The Dolby Pro Logic II decoder reproduces dynamic 5.1-channel surround sound not only from normal 5.1-channel DVD but from 2-channel sources such as videos and CDs, too. Dolby Pro Logic II uses matrix decoding technology that has been dramatically improved over Pro Logic. With Pro Logic II, for instance, the Surround (Rear) channels are in stereo (only mono with Pro Logic) and playback covers the full frequency range (only up to 7 kHz with Pro Logic). These improvements let you enjoy a wide variety of 2-channel sources with the exciting effects of 5.1-channel surround sound.

#### ■ Dolby Digital and DTS Decoders

Equipped with both Dolby Digital and DTS 5.1 channel decoding, the AVR-682 provides thrilling surround sound with the thousands of Dolby Digital and DTS encoded DVDs, as well as the growing library of DTS 5.1 channel music recordings available on CD.

#### ■ Cinema Equalizer

The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasizes high-frequency range due to a theater's front speakers being placed behind the movie screen. If this sound is reproduced in the home theater without correction, the high-frequency range is too strong. The AVR-682 features a Cinema Equalizer to correct these high-frequency components so that the sound is clearer and easier to listen to. (For Dolby Digital, Dolby Pro Logic II, and DTS surround modes)

#### ■ 96 kHz, 24-bit Audio D/A Converters

#### ■ Wide-Range Play Capability for DVD-Audio or SACD



SC-70S/SC-70C/DSW-37

\*The speaker system shown is not available in some markets.

#### ■ 5 Channel Stereo Mode

DENON's popular 5 Channel Stereo mode transforms your favorite 2-channel sources such as CD, tape, stereo radio and stereo video sources into exciting surround sound, free of delay effects and unnatural artifacts, from all five speakers. This 5 Channel Stereo mode was originally developed by DENON to enhance music lovers' enjoyment of home theater ambience.

#### ■ Virtual Surround Mode

Surround yourself with sensational 3D soundfield envelopment using just one pair of speakers. The AVR-682's Virtual Surround mode provides a dramatic psychoacoustic surround sound effect, using two speakers with Dolby Digital 5.1 encoded sources.

#### ■ DENON DSP Surround Modes Add Listening Excitement

Put yourself in the middle of your favorite concert hall and music environments with DENON's DSP acoustic environment simulation modes. These DSP modes add spacious surround sound enhancements to your favorite music and video sources, and include these distinctly different sounding effects:

- |                     |               |
|---------------------|---------------|
| 1. 5 Channel Stereo | 5. Video Game |
| 2. Virtual Surround | 6. Matrix     |
| 3. Rock Arena       | 7. Mono Movie |
| 4. Jazz Club        |               |

## ■ Versatile Input & Output Terminals

### • Digital Optical Output

The AVR-682 provides 1 digital optical output terminal where you can connect a CD recorder or other digital recording device to make high-quality digital recordings directly from digital sources such as CD.

### • Front Panel Inputs

The AVR-682's front panel includes 1 set of video and audio input terminals where you can easily connect your video camera, game machine or other video or pure audio device.

### • Audio Inputs

- 7 Analog Inputs ..... CD, TUNER, DVD/VDP, TV/DBS, VCR, CD-R/TAPE, V.AUX(FRONT)
- 6 Analog EXT. Input ..... FRONT L/R, CENTER, SURROUND L/R, SUBWOOFER
- 1 Digital (Optical) Input ..... OPTICAL X 1
- 1 Digital (Coaxial) Input ..... COAXIAL X 1

### • Audio Outputs

- 1 Analog PRE OUT Terminals ..... SUBWOOFER
- 2 Analog REC OUT Terminals ..... VCR, CD-R/TAPE
- 1 Digital (Optical) Output ..... OPTICAL X 1

### • Video Inputs

- 4 Composite Inputs ..... DVD/VDP, TV/DBS, VCR, V.AUX(FRONT)
- 3 S-Video Inputs ..... DVD/VDP, TV/DBS, VCR

### • Video Outputs

- 2 Composite Outputs ..... VCR, MONITOR
- 2 S-Video Outputs ..... VCR, MONITOR

## ■ Front A/B Speaker Terminals

Two sets of speaker terminals are provided for the main (left and right) speakers. This allows the use of a second pair of stereo speakers in another room in the home.

## ■ High-grade Speaker Terminals (for speakers A):

Large binding post speaker terminals has been provided for all 5 channels (Front L/R, Center, Surround L/R) to accommodate thick, high-grade speaker cables and banana plugs.

## ■ Personal Memory Plus, for Easy Operation

The AVR-682 includes the Personal Memory Plus function that automatically remembers the surround mode you last used for each program source, so that you do not need to select the mode again for that program.

## ■ Multi-Function Preset Memory Remote Controller

The supplied system remote controller features a large selection of remote control codes to operate other components in your home theater system, including codes for selected DENON models, along with remote control codes from other manufacturers. The most frequently used buttons are laid out separately for TV, VCR and DVD, for maximum ease-of-use.

## ■ Acclaimed Customization Feature

As with all of DENON's high-grade A/V receiver, the AVR-682 lets you adjust delay times and other parameters so that you can customize the performance of the AVR-682 to suit your own home theater and enhance operating ease. The adjustments are easy to make via a dialog format on the fluorescent display on the front panel. These customized features are then stored, for each source input and surround mode, in Personal Memory Plus so constant readjustments are not required.

## ■ Frequency Synthesis Tuning

- 40-Station AM/FM Random Preset Memory Tuning
- Auto Preset Memory

## Specifications

### ■ Power Amplifier Section

Rated output	*THD figures are power amp stage values.
Front .....	100 W + 100 W (6 ohms, 1 kHz, 0.7 %)
70 W + 70 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Center .....	100 W (6 ohms, 1 kHz, 0.7 %)
70 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround .....	100 W + 100 W (6 ohms, 1 kHz, 0.7 %)
70 W + 70 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)

### ■ Preamplifier Section

Input sensitivity/Impedance	CD, DVD/VDP, TV/DBS, VCR, CD-R/TAPE, V.AUX(FRONT) ..... 200 mV/47 kohms
Output level/Load impedance	SUBWOOFER ..... 1.2 V/10 kohms
CD-R/TAPE, VCR	200 mV/47 kohms
Frequency response	10 Hz - 100 kHz (+1, -3 dB) (Tone Defeat On)
Signal-to noise ratio	98 dB (A-weighting) (Tone Defeat On)
Tone control	Treble: ±10 dB at 10 kHz
	Bass: ±10 dB at 100 Hz

### ■ FM Section

Tuning frequency range	87.5 - 107.9 MHz
Usable sensitivity	1.0 µV (11.2 dBf)

### ■ AM Section

Tuning frequency range	520 - 1710 kHz
Usable sensitivity	18 µV

### ■ General

Power supply	AC 120 V, 60 Hz
Power consumption	3.7 A
Dimensions	434 (W) x 147 (H) x 417 (D) mm
	17.1" (W) x 5.8" (H) x 16.4" (D)
Weight	9.8 kg, 21.6 lbs

### ■ Speaker section

#### SC-70S (Satellite speaker system)

Type	2-way Reflex Speaker System
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	232 (W) x 132 (H) x 130 (D) mm (+9 mm grill)
	9.1" (W) x 5.2" (H) x 5.1" (D)
Weight	2.2 kg, 4.84 lbs

#### SC-70C (Center speaker system)

Type	2-way Acoustic Suspension Speaker System
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	350 (W) x 132 (H) x 130 (D) mm (+9 mm grill)
	13.8" (W) x 5.2" (H) x 5.1" (D)
Weight	3.4 kg, 7.59 lbs

#### DSW-37 (Subwoofer system with built-in Amplifier)

Impedance	4 ohms
Power supply	AC 120 V, 60 Hz, 60 W
Dimensions	216 (W) x 300 (H) x 400 (D) mm
	8.5" (W) x 11.8" (H) x 15.7" (D)
Weight	5.5 kg, 12.1 lbs



Front panel with terminal cover.

\*Design and specifications are subject to change without notice.

\*\*Dolby, "Dolby Digital", "Pro Logic II", and the double-D device are registered trademarks of Dolby Laboratories Licensing Corporation.

\*DTS is registered trademarks of DTS Technology.

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